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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/576,249	04/18/2006	Masahiko Kubota	03500.102481.	8843	
	7590 11/06/200 CELLA HARPER &		EXAM	EXAMINER	
30 ROCKEFELLER PLAZA			MCPHERSON, JOHN A		
NEW YORK,	NY 10112		ART UNIT	PAPER NUMBER	
			1795	•	
			MAIL DATE	DELIVERY MODE	
			11/06/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	JOHN A. MCFREISON 1795				
	The MAILING DATE of this communication appears on the cover sheet with the correspondence addr for Reply	ess			
WHIC - Exter after - If NO - Failu Any	SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) IICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Attensions of time may be available under the provisions of 37 CFR 1.736(a). In no event, however, may a reply be timely filled NO period for reply is specified above. The maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communities to reply which the set or extended period for reply the SIX (6) MONTHS from the mailing date of this communities to reply which the set or extended period for reply the SIX (6) SIX.SC, § 133), ny reply received by the Office later than three months after the mailing date of this communication, even if timely filled, may reduce any among planter term adjustment. See 37 CFR 1.704(b).				
Status					
1)🛛	Responsive to communication(s) filed on 22 July 2008.				
2a)⊠	☑ This action is FINAL. 2b) ☐ This action is non-final.				
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the n	nerits is			
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.				
Disposit	sition of Claims				
4)⊠	Claim(s) <u>1-10</u> is/are pending in the application.				
	4a) Of the above claim(s) is/are withdrawn from consideration.				
5)	Claim(s) is/are allowed.				
	Claim(s) <u>1-10</u> is/are rejected.				
	Claim(s) is/are objected to.				
8)∐	Claim(s) are subject to restriction and/or election requirement.				
Applicati	ation Papers				
9)	☐ The specification is objected to by the Examiner.				
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.					
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).				
11)□	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO				
Priority (y under 35 U.S.C. § 119				
.—	☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b ☐ Some * c) ☐ None of:				
	 Certified copies of the priority documents have been received. 				
	 Certified copies of the priority documents have been received in Application No 				
	3. Copies of the certified copies of the priority documents have been received in this National St	tage			
	application from the International Bureau (PCT Rule 17.2(a)).				
* 5	* See the attached detailed Office action for a list of the certified copies not received.				
Attachmen	nont(e)				

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(s) (PTO/S5/08)
Paper No(s)/Mail Date 7/22/08.

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

Application/Control Number: 10/576,249 Page 2

Art Unit: 1795

DETAILED ACTION

Response to Amendment

This Office Action is responsive to the Amendment filed 7/22/08.

Claim Rejections - 35 USC § 103

- The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-6 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over EP 1 380 423 [cited in the Information Disclosure Statement filed 4/18/06] (EP '423) in view of JP 2001-179990 [cited in the Information Disclosure Statement filed 4/18/06] (JP '990) for the reasons of record as set forth in paragraph 1 of the Office Action mailed 2/22/08, and as further discussed below.

3. Claims 1-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over EP 1 380 425 [cited in the Information Disclosure Statement filed 4/18/06] (EP '425) in view of JP 2001-179990 [cited in the Information Disclosure Statement filed 4/18/06] (JP '990) for the reasons of record as set forth in paragraph 2 of the Office Action mailed 2/22/08, and as further discussed below.

Application/Control Number: 10/576,249

Art Unit: 1795

4. Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over EP 1 380 423 [cited in the Information Disclosure Statement filed 4/18/06] (EP '423) in view of JP 2001-179990 [cited in the Information Disclosure Statement filed 4/18/06] (JP '990) as applied to claim 1-6 and 9 above, and further in view of either one of EP 1 013 648 (EP '648) or the abstract of SE 200001340 (the abstract of SE '430).

The disclosure of EP '423 in view of JP '990 is set forth in paragraph 1 of the Office Action mailed 2/22/08. However, neither EP '423 nor JP '990 disclose utilizing triethanolamine as the amine which functions as an inhibitor of cationic polymerization in the covering resin layer.

EP '648 discloses a method for storage stabilization of compounds with oxetane rings, wherein a basic compound, such as triethanolamine, is added as an inhibitor of cationic ring-opening polymerization. See the abstract; and paragraphs [0012] and [0013].

The abstract of SE '340 discloses a stabilized oxetane comprising an oxetane compound mixed with one or more nucleophile inhibitor(s), exemplified by triethanolamine, so as to greatly reduce or completely prevent spontaneous or premature polymerization.

It would have been obvious to one skilled in the requisite art to include triethanolamine, as taught by either one of EP '648 of the abstract of SE '340, as the amine in the method of EP '423 in view of JP '990 because it is taught that triethanolamine is an art-recognized example of an amine which functions as an inhibitor of cationic polymerization.

Application/Control Number: 10/576,249

Art Unit: 1795

5. Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over EP 1 380 425 [cited in the Information Disclosure Statement filed 4/18/06] (EP '425) in view of JP 2001-179990 [cited in the Information Disclosure Statement filed 4/18/06] (JP '990) as applied to claims 1-9 above, and further in view of either one of EP 1 013 648 (EP '648) or the abstract of SE 200001340 (abstract of SE '430).

The disclosure of EP '425 in view of JP '990 is set forth in paragraph 2 of the Office Action mailed 2/22/08. However, neither EP '425 nor JP '990 disclose utilizing triethanolamine as the amine which functions as an inhibitor of cationic polymerization in the covering resin layer.

EP '648 discloses a method for storage stabilization of compounds with oxetane rings, wherein a basic compound, such as triethanolamine, is added as an inhibitor of cationic ring-opening polymerization. See the abstract; and paragraphs [0012] and [0013].

The abstract of SE '340 discloses a stabilized oxetane comprising an oxetane compound mixed with one or more nucleophile inhibitor(s), exemplified by triethanolamine, so as to greatly reduce or completely prevent spontaneous or premature polymerization.

It would have been obvious to one skilled in the requisite art to include triethanolamine, as taught by either one of EP '648 of the abstract of SE '340, as the amine in the method of EP '425 in view of JP '990 because it is taught that triethanolamine is an art-recognized example of an amine which functions as an inhibitor of cationic polymerization.

Application/Control Number: 10/576,249 Page 5

Art Unit: 1795

Claim Rejections - 35 USC § 102/103

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 9 is rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over JP 2001-179990 [cited in the Information Disclosure Statement filed 4/18/06] (JP '990) for the reasons of record as set forth in paragraph 3 of the Office Action mailed 2/22/08, and as further discussed below.

Response to Arguments

 Applicant's arguments filed 7/22/08 have been fully considered but they are not persuasive.

With respect to the 35 USC 103 rejections over either one of EP '423 or EP '425 in view of JP '990 (Imamura), Applicant argues that in Imamura, while a solid layer or liquid material coated thereon may include a cationic polymerization inhibitor, that layer or liquid material does not undergo the lithographic process and is not a member where a discharge port is formed. However, the solid layer 5 of JP '990, also referred to as the

Art Unit: 1795

photosensitive coating resin layer 5 and the nozzle formation member 5, which contains the basic substance (see both abstracts; and paragraphs [0034], [0035] and [0075] of the computer-generated translation) is coated on ink pass pattern 4, exposed through a mask 6 using the conventional photolithographic technique, and developed using a suitable solvent to form an ink delivery 8 (i.e. a discharge port). See paragraphs [0050]-[0054] of the computer-generated translation; and Figures 2-6.

Conclusion

 Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Application/Control Number: 10/576,249

Art Unit: 1795

Any inquiry concerning this communication or earlier communications from the
examiner should be directed to John A. McPherson whose telephone number is (571)
 272-1386. The examiner can normally be reached on Monday through Friday, 8:00 AM
to 4:30 PM

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Huff can be reached on (571) 272-1385. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/John A. McPherson/ Primary Examiner, Art Unit 1795

11/4/08 JAM